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☐ 1. Document ID: WO 9951639 A1

L2: Entry 1 of 3

File: EPAB

Oct 14, 1999

DOCUMENT-IDENTIFIER: WO 9951639 A1

TITLE: AN INTEGRIN HETERODIMER AND A SUBUNIT THEREOF

Abstract Text (1):

CHG DATE=19991102 STATUS=O>A recombinant or isolated integrin heterodimer comprising a novel subunit alpha 10 in association with a subunit beta is described. The alpha 10 integrin may be purified from bovine chondrocytes on a collagen-type-II affinity column. The integrin or the subunit alpha 10 can be used as marker or target of all types of cells, e.g. of chondrocytes, osteoblasts and fibroblasts. The integrin or subunit alpha 10 thereof can be used as marker or target in different physiological or therapeutic methods. They can also be used as active ingredients in pharmaceutical compositions and vaccines.

Full	Title	Citation	Front.	Review	Classification	Date	Reference	Abstracts	Patents	Claims	KVMC	Draw D
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☐ 2. Document ID: JP 2006246894 A, WO 200075187 A1, AU 200054355 A, EP 1181317 A1, JP 2003501077 W, AU 770652 B2

L2: Entry 2 of 3

File: DWPI

Sep 21, 2006

DERWENT-ACC-NO: 2001-071061

DERWENT-WEEK: 200663

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TITLE: Integrin subunit alpha 11 or integrin heterodimer comprising subunit alpha 11 in association with subunit beta, useful for treating muscle dystrophy, fibrosis, trauma, rheumatoid arthritis, and osteoarthritis

Basic Abstract Text (16):

(13) use of binding entities having the capability of binding specifically to an integrin subunit alpha 10 to a fully defined sequence of 3983 bp or a defined sequence of 1188 amino acids as given in the specification or an integrin heterodimer comprising a subunit alpha 10 and the subunit beta, or its homologs or fragments having similar biological activity, for promoting adhesion of chondrocytes and/or osteoblasts, to a surface of implants to stimulate osseointegration.

Basic Abstract Text (21):

USE - (I) or (VIII) is useful as a marker of target molecule of cells such as fibroblasts, muscle cells, chondrocytes, osteoblasts, mesenchymally derived cells or stem cells, or tissues which are of animal, including human origin, expressing the integrin subunit alpha 11, for determining the differential-stage of cells during differentiation, development in pathological conditions, in tissue regeneration, in transplantation or in therapeutic and physiological repair of tissues. The pathological conditions involving subunit alpha 11 are selected from damage of cells, muscle dystrophy, fibrosis, wound healing, trauma, rheumatoid arthritis, osteoarthritis and osteoporosis, damage of cartilage and/or bone and cartilage and/or bone diseases. (I) is useful for detecting the formation of cartilage during embryonic development, for detecting physiological therapeutic repair of cartilage and/or muscle, for selection and analysis, or for sorting, isolating or purification of chondrocytes and/or muscle cells, for detecting regeneration of cartilage or chondrocytes during transplantation of cartilage or chondrocytes during transplantation of cartilage or chondrocytes, respectively, or of muscle or muscle cells during transplantation of muscle or muscle cells, respectively, and for studies of differentiation or chondrocytes or muscle cells. (I) of the subunit alpha 10, or its homologs or fragments is useful as a target for anti-adhesive drugs or molecules in tissues such as tendon, ligament, skeleton muscle or other tissues, where adhesion impairs the function of the tissue. (I) is useful in in vitro detection of the presence of (VIII), with the sample, causing (I) to modulate the binding to its natural ligand or other integral binding proteins present in the sample. (III) is useful as a target molecule by hybridizing (IV) to the DNA or RNA encoding (I). (VIII) is useful for detecting the presence of integrin subunit alpha 11 or its homologs or fragments and for promoting adhesion of cells. (V) is useful in gene therapy. (IX) is useful for inhibiting, blocking or stimulating the formation of cartilage, bone, muscles or blood vessels.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstracts	References	Claims	KWIC	Draw D
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☐ 3. Document ID: US 20060178503 A1, WO 9951639 A1, AU 9937380 A, EP 1068238 A1, JP.2002517182 W, AU 761430 B, US 7029858 B1

L2: Entry 3 of 3

File: DWPI

Aug 10, 2006

DERWENT-ACC-NO: 2000-052639

DERWENT-WEEK: 200654

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TITLE: New isolated integrin subunit alpha-10, used as a marker or target molecule for cells during development, regeneration and pathological conditions, e.g. arthritis, osteoarthritis, cancer, atherosclerosis or inflammation

Basic Abstract Text (1):

NOVELTY - A new isolated integrin subunit alpha-10 (ISa10) obtained from bovine and human chondrocytes is disclosed.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstracts	References	Claims	KWIC	Draw D
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Terms	Documents
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L1 same (chondrocyte)	
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